

Mail to: SD DANR, Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8767-3</u> Hydrologic Unit <u>10170203</u> Basin <u>Lower Big Sioux</u> Newspaper <u>Beresford Republic</u> <sup>(thurs)</sup> <u>763-2006</u> <u>South Dakota Argus Leader</u> (office use only)
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MAY 19 2023

OFFICE OF  
WATER

## Application for Permit to Appropriate Water in South Dakota

### Check use(s) of water:

<input type="checkbox"/> Municipal	<input type="checkbox"/> Water Distribution System	<input type="checkbox"/> Recreational	<input type="checkbox"/> Institutional
<input type="checkbox"/> Rural Water System	<input type="checkbox"/> Commercial	<input type="checkbox"/> Fish & Wildlife	<input type="checkbox"/> Geothermal
<input type="checkbox"/> Domestic (over 18 gpm)	<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Other _____	

### Type of Application: (check one)

<input checked="" type="checkbox"/> New	<input type="checkbox"/> Vested Right (Use predates Mar 2, 1955)	<input type="checkbox"/> Future Use Reservation
<input type="checkbox"/> Place to Beneficial Use Water Reserved by Future Use Permit No. _____		
<input type="checkbox"/> Amendment/Correction to Permit No. _____		

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Water Permit Knife River

Mailing Address 1500 N Sweetman Place Sioux Falls SD 57107  
(Address) (City) (State) (Zip Code)

Phone (605) 336-5776 Mobile (712) 577-6757 Email colin.chatterton@kniferiver.com

2. Amount of water claimed 2.22 \*CFS or 1,000 \*\*GPM and 1,200 \*\*\*AF or \_\_\_\_\_ Gallons  
Flow rate and volume are both required. (\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*)Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply Big Sioux Aquifer

4. Location of point of diversion Open pit with pump in SE 1/4, SW1/4, Section 1, T95N-R48W County Union  
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☒ No

If "Yes," where will water be used? \_\_\_\_\_

(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Union

6. Annual period during which water is to be used March 1st through November 30th

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Simple dewatering operation in support of sand and gravel mining. A hole will be dug below grade and a trash/sump pump will be utilized to draw the water table down to allow access to aggregate resources.

I, Colin Chatterton

Environmental Manager, the applicant, certify under

Name of Person

Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2021-08

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

16 m E of Beresford

## Supplemental Information

(type or print)

**1. Well Information** (check one or both as applicable) ☐ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many \_\_\_\_\_ Have test holes been drilled? ☐ Yes ☐ No Drilled by \_\_\_\_\_  
(if yes, please provide copies of logs)
- b) If existing wells, how many \_\_\_\_\_ Provide copy of log(s), if available. Drilled by \_\_\_\_\_

**For either existing or proposed wells:**

- c) Well Depth (required) \_\_\_\_\_ Depth to Top of Water Bearing Material \_\_\_\_\_ Depth to Water from Surface \_\_\_\_\_
- d) Distance to nearest domestic well on applicant's property \_\_\_\_\_ Property owned by others \_\_\_\_\_

**2. Wastewater Disposal System Information**

- a) Type of System (i.e. septic tank, drain field) \_\_\_\_\_
- b) System Capacity (gallons) \_\_\_\_\_ Year Constructed \_\_\_\_\_
- c) Connected to the City of \_\_\_\_\_ Sanitary System

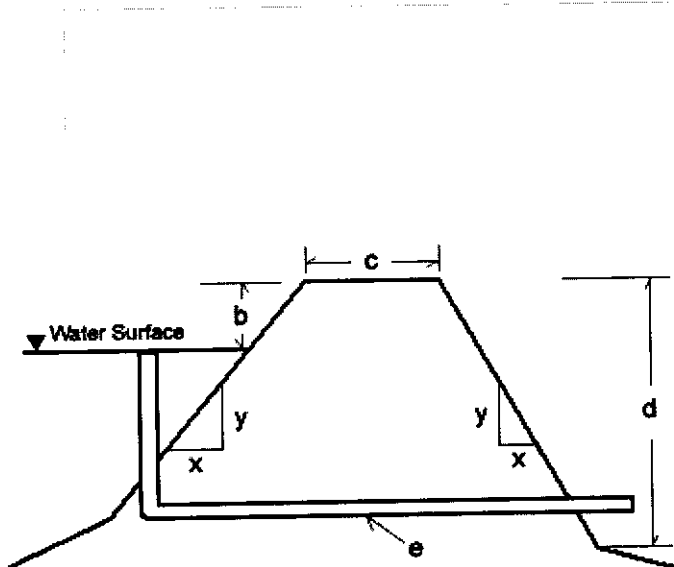
**3. Dugout Information**

- a) Surface Dimensions \_\_\_\_\_ Depth \_\_\_\_\_
- b) Depth to water (ground surface to water level) \_\_\_\_\_

**4. Water Storage Dams**

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



- b) Freeboard \_\_\_\_\_
- c) Crest Width \_\_\_\_\_  
Crest Length \_\_\_\_\_
- d) Height \_\_\_\_\_
- e) Primary Outlet Capacity \_\_\_\_\_  
If pipe, diameter \_\_\_\_\_
- f) Secondary Spillway Capacity \_\_\_\_\_  
Spillway Width \_\_\_\_\_
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_
- h) Area of Impoundment \_\_\_\_\_
- i) Storage \_\_\_\_\_ Acre Feet
- j) Drainage Area Above Dam \_\_\_\_\_ Acres

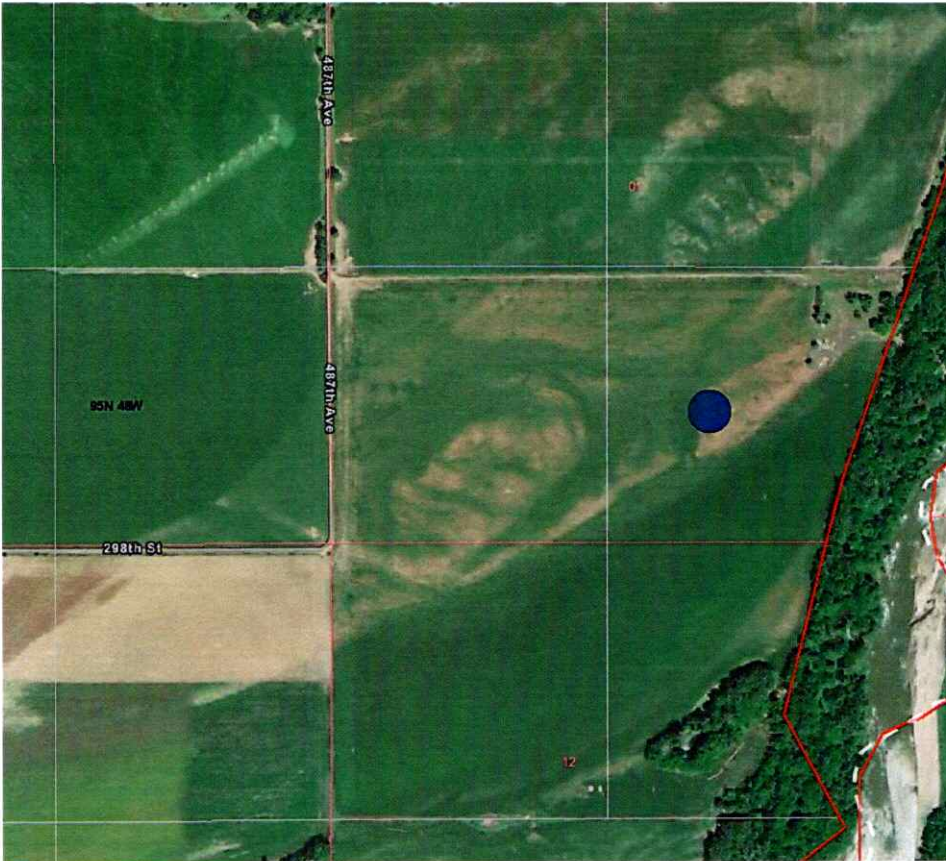
## Rodriguez, Rachel

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**From:** Chatterton, Colin <Colin.Chatterton@kniferiver.com>  
**Sent:** Thursday, June 1, 2023 10:26 AM  
**To:** Rodriguez, Rachel  
**Subject:** RE: [EXT] Application for Permit to Appropriate Water

Morning Rachel,

It is in section 1. Below depicts the cutoff between the two sections. It is the faint red line. I placed a marker for the area we will likely be pumping from. The ponding area in the previous maps will be detention to meet stormwater permit requirements. Hope this helps!



Cheers,

Colin Chatterton, CPESC  
Environmental Manager – KRSD & KRMW



1500 N Sweetman Place  
Sioux Falls, SD 57107  
Office: (605) 336-5776  
Cell: (712) 577-6757

Sec 1  
Lot 16





96N 47W  
Section: 30

96N 48W  
Section: 26

96N 48W  
Section: 25

296 ST

96N 48W  
Section: 35

96N 48W  
Section: 36

297 ST

95N 48W  
Section: 01

95N 48W  
Section: 02

487 AVE

10170203 Lower Big Sioux

Dewatering Pit

298 ST

95N 48W  
Section: 11

95N 48W  
Section: 12





Map Author: Jordan Keller  
Date Exported: 4/24/2023 8:48 AM

# Sandbulte Pit

## Mined Conditions

Section 1 & 12  
T95N - R48W  
Union County, SD

